CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

 (Currently Amended) A method of cleaning comprising the steps of: selecting a wash liquor consisting essentially of comprising: a non-aqueous working fluid and at least one washing adjuvant;

bringing said working fluid in contact with the fabric in an automatic washing machine; applying mechanical energy to provide relative movement within said fabric in the automatic washing machine;

wherein the non-aqueous working fluid is a substantially non-reactive, non-aqueous, nonoleophilic, apolar working fluid; and

wherein the at least one washing adjuvant is selected from the group of: surfactants, enzymes,-bleaches, perfumes fragrances, antistatic agents, and mixtures thereof.

- (Original) The method of claim 1 wherein said non-reactive, non-aqueous, non-oleophilic, apolar working fluid under standard conditions is further characterized by: a KB value less than approximately 30; a surface tension less than approximately 35 dynes/cm²; and a solubility in water less than 10%.
- (Previously Presented) The method of claim 1 in which substantially all materials that
 comprise the automatic washing machine in contact with said working fluid are selected from a
 group of non-spark generating materials.

- 4. (Previously Presented) The method of claim 1 in which the substantially all of the materials that comprise the automatic washing machine contacted by said working fluid are conductive polymers.
- (Previously Presented) The method of claim 1 wherein said mechanical energy occurs in a chamber which confines said working fluid and fabric in the automatic washing machine.
- (Previously Presented) The method of claim 28 including the step of introducing a waterin-working fluid emulsion to the chamber which confines the fabric and said working fluid.
- (Previously Presented) The method of claim 32 wherein at least one dispensing chamber is provided and the at least one washing adjuvant is added to said chamber.
- (Previously Presented) The method of claim 32 including a further step of introducing a water-in-working fluid emulsion into the adjuvant-dispensing chamber.
- (Previously Presented) The method of claim 32 including a further step of introducing a
 water-in-working fluid emulsion to the fabric prior to bringing the working fluid in contact with
 the fabric.
- 10. (Previously Presented) The method of claim 1 including a further step of detecting the level of said working fluid in contact with the fabric.
- (Previously Presented) The method of claim 1 including a further step of sensing the initial moisture content of the fabric.
- 12. (Previously Presented) The method of claim 11 wherein the sensing step is carried out by sensing the humidity of the fabric to be cleaned.

- 13. (Previously Presented) The method of claim 11 wherein the sensing step is carried out by sensing the conductivity of the fabric.
- 14. (Previously Presented) The method of claim 11 wherein the sensing step is carried out by sensing the humidity of the air.
- 15. (Previously Presented) The method of claim 11 wherein the sensing step is carried out inside the chamber
- 16. (Previously Presented) The method of claim 1 wherein the temperature inside the chamber is sensed and adjusted to ensure that the temperature does not exceed 30 °F below the flash point of said working fluid unless the concentration of said working fluid does not exceed its lower flammability limit.
- 17. (Previously Presented) The method of claim 1 wherein the washing adjuvant comprises surfactant
- 18. (Original) The method of claim 17 wherein a preferred surfactant for the system will have a hydrophilic-lipophilic balance from approximately 3 to 14.
- 19. (Previously Presented) The method of claim 1, further comprising: separating said working fluid from the fabric; cooling the working fluid for decreasing the dissolved soils in the working fluid; and filtering said working fluid to produce a permeate.
- 20. (Original) The method of claim 19 wherein said non-reactive, non-aqueous, non-oleophilic, apolar working fluid under standard conditions is further characterized by: a KB value less than approximately 30; a surface tension less than approximately 35 dynes/cm²; and a solubility in water less than 10%.

- (Previously Presented) The method of claim 19 including a further step of filtering the permeate through a hydrophobic filter.
- 22. (Previously Presented) The method of claim 21 including a further step of filtering the permeate through a ceramic filter.
- 23. (Original) The method of claim 19 wherein vapors from said working fluid are treated by a high speed spinning disc which removes said working fluid and water vapor from the air stream.
- 24. (Original) The method of claim 23 including the step of cooling the vapor contacted by the spinning disc.
- (Original) The method of claim 19 wherein said working fluid may have impurities of not more than approximately 20%.
- (Previously Presented) The method of claim 1, further comprising applying ultraviolet radiation to the fabric.
- 27. (Previously Presented) The method of claim 26 wherein the at least one wash adjuvant is a surfactant and the surfactant for the system has a hydrophilic-lipophilic balance from approximately 3 to 14.

28. (Currently Amended) A method of cleaning comprising the steps of:

contacting a fabric with a wash liquor in an automatic washing machine, the wash liquor consisting essentially of <u>comprising</u>: a non-aqueous working fluid, water, and a washing adjuvant;

applying mechanical energy to provide relative movement within said fabric in the automatic washing machine;

wherein the non-aqueous working fluid is a substantially non-reactive, non-aqueous, nonoleophilic, apolar working fluid; and

wherein the washing adjuvant is selected from the group of: surfactants, enzymes, bleaches, perfumes fragrances, and mixtures thereof.

- 29. (Previously Presented) The method of claim 28 wherein the non-reactive, non-aqueous, non-oleophilic, apolar working fluid under standard conditions is further characterized by: a KB value less than about 30; a surface tension less than about 35 dynes/cm²; and a solubility in water less than about 10%.
- 30. (Previously Presented) The method of claim 28 in which substantially all materials that comprise the automatic washing machine in contact with the working fluid are selected from a group of non-spark generating materials.
- 31. (Previously Presented) The method of claim 28, further comprising:

separating the working fluid from the fabric; cooling the working fluid for decreasing the dissolved soils in the working fluid; and filtering the working fluid to produce a permeate, wherein the working fluid has impurities of not more than about 20%.

32. (Currently Amended) A method of cleaning comprising the steps of:

contacting a fabric with a wash liquor in an automatic washing machine, the wash liquor comprisings a working fluids and a washing adjuvant;

applying mechanical energy to provide relative movement within said fabric in the automatic washing machine;

wherein the working fluid is a substantially non-reactive, non-aqueous, non-oleophilic, anolar working fluid:

wherein the wash liquor is substantially free of a an organic co-solvent; and wherein the washing adjuvant is selected from the group of: surfactants, enzymes, bleaches, perfumes fragrances, antistatic agents, and mixtures thereof.

- 33. (Previously Presented) The method of claim 32 wherein the non-reactive, non-aqueous, non-oleophilic, apolar working fluid under standard conditions is further characterized by: a KB value less than about 30; a surface tension less than about 35 dynes/cm²; and a solubility in water less than about 10%.
- 34. (Previously Presented) The method of claim 32 in which substantially all materials that comprise the automatic washing machine in contact with said working fluid are selected from a group of non-spark generating materials.
- 35. (Previously Presented) A method of claim 32, further comprising: separating the working fluid from the fabric; cooling the working fluid for decreasing the dissolved soils in the working fluid; and filtering the working fluid to produce a permeate, wherein the working fluid may have impurities of not more than about 20%.

36. (Currently Amended) A method of cleaning comprising the steps of: contacting a fabric with a wash liquor in an automatic washing machine, the wash liquor comprising:

a non-aqueous, non-reactive, non-oleophilic, apolar working fluid <u>under standard</u> conditions is further characterized by: a KB value less than about 30; a surface tension less than about 35 dynes/cm²; and a solubility in water less than about 10%:

water:

an adjuvant; and

applying mechanical energy to provide relative movement within the fabric in the automatic washing machine.

- 37. (Currently Amended) The method of claim 36, wherein the washing adjuvant is selected from the group of: surfactants, enzymes, bleaches, , perfumes fragrances, antistatic agents, and mixtures thereof.
- 38. (Currently Amended) The method of claim 36 wherein the substantially non-reactive, non-aqueous, non-oleophilic, apolar working fluid under standard conditions is further characterized by: a KB value less than about 30; a surface tension less than about 35 dynes/em²; and a solubility in water less than about 10% adjuvant comprises surfactant in the form of an emulsion.
- 39. (Currently Amended) The method of claim 38 36, wherein the method further comprises applying ultraviolet radiation to the fabric.
- 40. (Previously Presented) The method of claim 36, further comprising:

separating said working fluid from the fabric; cooling the working fluid for decreasing the dissolved soils in the working fluid; and filtering said working fluid to produce a permeate,

wherein the substantially non-aqueous, non-reactive, non-oleophilic, apolar working fluid has impurities of not more than about 20%.